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FACSIMILE TRANSMITTAL SHEET				
TO: Examiner Trinh Vo Dinh	FROM: Andrew Y. Pang (Reg. No. 40,114)			
COMPANY: USPTO Art Unit 2821	OCTOBER 11, 2005			
FAX NUMBER: (571) 273-8300	TOTAL NO. OF PAGES INCLUDING COVER:			
PHONE NUMBER	SENDER'S REFERENCE NUMBER: 022.0008 (1630)			
RE-	· REFERENCE NUMBER:			
Request to Correct Inventorship	10/661,652			

NOTES/COMMENTS:

FORMAL COMMUNICATION NTENDED FOR ENTRY

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	Application Number	10/681,65	i2			
TRANSMITTAL	Filing Date	Septembe	er 12, 2003			
FORM	First Named Inventor	Richard T	Richard T. Knadle Jr.			
	Art Unit	2821	2821			
(to be used for all correspondence after initial filing)	Examiner Name	Trinh Vo D	Dinh			
Total Number of Pages in This Submission 18	Attorney Docket Number	022.0008	(1630)			
EN	CLOSURES (Check al	il that apply		Allowance Communication to TC		
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavita/declaration(s) Extension of Time Request	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence of Terminal Disclaimer Request for Refund					
Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53	CD, Number of CD(s) Landscape Table on Cl arks		9 pgs Decla 1 pg Power 3 pgs Stmn	ent of Assignee iration of Attorney is from Inventors		
	OF APPLICANT, ATTO	RNEY, O	RAGENT			
Firm Name Ingrassia Fisher & Lorenz, P.C.						
Signature Quality &						
Printed name Andrew Y. Pang						
Date 10-11-05	F	Reg. No.	40,114			
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the date shown below: Signature						
Allowy	· 960 125					

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Annlicant(c)	Richard T. Knadle, JR. et al.	Examiner:	Dinh, Trinh Vo	OCT
Serial No.:	10/661,652	Стоир:	2821	***************************************
Filed:	September 12, 2003	Docket No:		
Titled:	DIRECTIONAL ANTENNA AF			
	<u>CERTIFICAT</u>	TE OF MAILING		
WI Al	EREBY CERTIFY THAT THIS C TH THE UNITED STATES POST ENVELOPE ADDRESSED TO: MMISSIONER FOR PATENTS, P.	TAL SERVICE A	S FIRST CLASS MA	AIL IN
ON.	. 10-	11-05		
O.	Date of D			
	Andrew Y. Pang (
	Type or Print Nam	e of Person Signio	g Certificate	
	[12,000/1/11 1/-2.			
	(おびはひととし)・サエデル		7-11-05	
	SIGNATURE F TO CORRECT INVENTORSH OF INVENTORSHIP AFTER OA	DAT	E VISIONAL APPLICA	
CHANGE Commissioner of P.O. Box 1450 Alexandria, VA	F TO CORRECT INVENTORSH OF INVENTORSHIP AFTER OF	DAT	E VISIONAL APPLICA	
CHANGE Commissioner of P.O. Box 1450 Alexandria, VA Sir: 1. This rec	F TO CORRECT INVENTORSH OF INVENTORSHIP AFTER OF For Patents 22313-1450 quest is submitted to correct the inco Application No. 10/661,652 filed of	DATE IN NONPROY	VISIONAL APPLICATION FILED (37 CF)	R 1.48(a)) ne Declaration
CHANGE Commissioner of P.O. Box 1450 Alexandria, VA Sir: 1. This rec for U.S. 1.48(a). 2. Addition [X] Addition	F TO CORRECT INVENTORSH OF INVENTORSHIP AFTER OF For Patents 22313-1450 quest is submitted to correct the inco Application No. 10/661,652 filed of	TIP IN NONPROY TH/DECLARAT	VISIONAL APPLICATION FILED (37 CF) ing of inventor(s) in the 1003 as set for under 3 all applicable items)	R 1.48(a)) ne Declaration 7 CFR
CHANGE Commissioner of P.O. Box 1450 Alexandria, VA Sir: 1. This rect for U.S. 1.48(a). 2. Addition [X] Addition [X] Addition [X] Defined the commission of the commission	TO CORRECT INVENTORSH OF INVENTORSHIP AFTER OF OF Patents 22313-1450 quest is submitted to correct the inco Application No. 10/661,652 filed of and/or Deletion of Inventor(s) (child the following previously unnamed	TIP IN NONPROY ATH/DECLARAT THOSE of the second complete of person(s) as investigated the second complete of person comp	ing of inventor(s) in the constant of the cons	R 1.48(a)) ne Declaration 7 CFR

manner authorized above.

3.	Attac	hed is:	
	(a)	A state	ement from: (check items below that apply)
		[X]	each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 CFR 1.48 (a) (2).
		[X]	each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 CFR 1.48 (a) (2).
	(b)	[X]	a declaration by each of the actual inventor(s) as required by 37 CFR 1.63 (or as permitted by 1.42, 1.43, OR 1.47). 37 CFR 1.48 (a) (3).
	(c)	[X]	Written assent of the assignee. (if any of the original inventors executed an assignment) 37 CFR 1.48 (a) (5).
4.	Fee P	ayment (37 CFR 1.17 (i))
			ed is paid as follows:
		-	Attached is a
			[] a check in the amount of \$
			money order in the amount of \$
		[X]	Authorization is hereby made to charge the amount of \$ 130.00
			[X] to Deposit Account No. 50-2091
			[] to Credit card as shown on the attached credit card information authorization form PTO-2038.
		WAI	RNING: Credit card information should not be included on this form as it may

Ingrassia Fisher & Lorenz, PC Customer Number 29,906 By: Attorney/Agent: Andrew Y. Pang
Registration No.: 40,114
Telephone: 480-385/5060

Respectfully submitted,

[X] Charge any additional fees required by this paper or credit any overpayment in the

Facsimile: 480-385-506

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022.0008 (1630) PATENT

OCT 1 1 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

•

Richard T. Knadle, JR. et al.

Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

For: DIRECTIONAL ANTENNA ARRAY

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA. 22313-1450

ON:

Date of Deposit

Andrew Y. Pang

Type or Print Name of Person Signing Certificate

SIGNATURE

DATE

CONSENT OF ASSIGNEE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned hereby states that the subsequently identified assignment documents evidencing an assignment of the above-identified patent application to Symbol Technologies, Inc. (hereinafter referred to as the "Assignee") have been reviewed, and further certifies that to the best of Assignee's knowledge and belief, the Assignee is the owner of all right, title and interest in the above-identified patent application.

Assignment Documents:

1) filed concurrently herewith for inventor Mark William Duron to Symbol Technologies, Inc. (copy attached hereto as Exhibit A).

022.0008 (1630) PATENT

previously filed for inventors Richard T. Knadle, JR., 2) Hal Charych, Henry Grossfeld, and Raj Bridgelall to Symbol Technologies, Inc., and recorded at Reel 014906 and frame 0375 on 01/22/2004.

The undersigned, whose title is supplied below, further states that he is empowered to act on behalf of the Assignee and hereby consents to amending the inventorship of the above-identified application to include Mark William Duron and exclude Robert P. Pandorf and Minh Luong Ngoc.

Date: 13 Tun 05

Signature:_

Aaron B. Bernstein, Vice President

Symbol Technologies, Inc.

PTO/SB/01 (09-04)

Approved for use through 07/31/2008, OMB 0851-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number. Attorney Docket 022,0008 (1630) DECLARATION FOR UTILITY OR Number First Named Inventor DESIGN Richard T. Knadle, JR. PATENT APPLICATION COMPLETE IF KNOWN (37 CFR 1.63) Application Number 10/661,652 Filing Date Declaration Declaration September 12, 2003 Submitted after Initial OR Submitted Art Unit With Initial Filing (surcharge 2821 Filing (37 CFR 1.16 (e)) Examiner Name Dinh, Trình Vọ required) I hereby declare that: Each inventor's residence, mailing address, and citizenship are as stated below next to their name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: DIRECTIONAL ANTENNA ARRAY (Title of the Invention) the specification of which is attached hereto OR was filed on (MM/DD/YYYY) 09/12/03 as United States Application Number or PCT International 10/661,652 and was amended on (MM/DD/YYYY) (if applicable), Application Number I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I heraby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed. Foreign Filing Date Priority Certified Copy Attached? **Prior Foreign Application** Country Number(s) (MM/DD/YYYY) Not Claimed YES Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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[Page 2 of 2]

supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.

Additional inventors or a legal representative are being named on the 1

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DECLARATIO	ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1					
Name of Additional Joint Inventor,	if any:	A pe	etition h	as been filed for this	unsigne	d inventor
Given Name (first and middle (i	Family Na	Family Name or Surname				
HAL	1	CHARYCH				
Inventor's Hal Manne					Date	9/31/05
Poquott Residence; City	New York State		U.S.A. Coun	try	u.s. Citiz	enship
2 The Overlook			,			- Troing
Mailing Address						
POQUOTT	NEW YORK			11733	USA	
City	State			Zip	Cour	nbry
Name of Additional Joint Inventor, it	f any:	A pe	tition ha	is been filed for this i	ınsigned	d inventor
Given Name (first and middle (if	any))			Family Name or S	Sumame	•
HENRY		GROSSFELD	GROSSFELD			
Inventor's Signature					Date	
Great Neck	New York		U.	.s.a.		U.8.
Residence: City	State			ountry		Citizenship
50 NASSAU ROAD Mailing Address						
GREAT NECK City	NEW YORK State		ł	11021 Zlp	USA Coun	try
Name of Additional Joint Inventor, if	any:	A peti		s been filed for this u	•	····
Given Name (first and middle (if a	iny))	Family Name or Surname				
RAJ		BRIDGELAU.				
Inventor's Signature		,			Date	
vlorgan Hill Residence: City	California State			S.A. ountry		U.S. Citizenship
P.O. Box 2095			•			
Mailing Address						
MORGAN HILL City	CALIFORNIA State			5038 7in	USA	

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I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application	· · ·	Foreign Filing Date	Priority	Certified C	opy Attached?
Number(s)	Country	(MM/DD/YYYY)	Not Claimed	YES	NO
Additional foreign and	dication number	rs are listed on a supplement	al ndority data sheet F	TO/SB/02B at	tached hereto.

[Page 1 of 2]

[Page 1 of 2]
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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1				
Name of Additional Joint Inventor, If ar	ıy:	A petit	ion has been filed for this	unsigned inventor		
Given Name (first and middle (If any	Family Name or Surname					
HAL		CHARYCH				
Inventor's Signature				Date		
Poquott Residence: City	New York State	I '	.S.A. Country	U.S. Citizenship		
2 The Overlook	•		·			
Maillen Addraga						
Mailing Address POQUOTT	NEW YORK		11733	USA		
City	State		Zip	Country		
Name of Additional Joint Inventor, if an	y:	A petiti	on has been filled for this	unsigned inventor		
Given Name (first and middle (if any))	Family Name or Surname				
HENRY		GROSSFELD				
Inventor's Signature				Date		
Great Nack	New York		U.S.A.	v.s.		
Residence: City	State	· .	Country	Citizenship		
50 NASSAU ROAD						
Mailing Address	T		Τ	T		
GREAT NECK City	NEW YORK State	11021 Zip		USA Country		
Name of Additional Joint Inventor, if any		A petition has been filed for this unsigned inventor				
Given Name (first and middle (if any))	1	Family Name or Surname				
RAJ		BRIDGELALL				
Inventor's / Cay Thilgel	Date 9/28/05					
Morgan Hill Residence: City	California State		U.S.A. Country	U.S. Citizenship		
P.O. Box 2095			, , , , , , , , , , , , , , , , , , , ,			
Mailing Address						
MORGAN HILL City	CALIFORNIA State		95038 Zip	USA Country		

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Attorney Docket 022.0008 (1630) **DECLARATION FOR UTILITY OR** Number First Named Inventor DESIGN Richard T. Knadle, JR. PATENT APPLICATION COMPLETE IF KNOWN (37 CFR 1.63) Application Number 10/661,652 Filing Date Declaration Declaration September 12, 2003 Submitted after Initial Submitted OR Art Unit With Initial Filing (surcharge 2821 (37 CFR 1.16 (e)) Filing Examiner Name Dinh, Trình Vo required) I hereby declare that: Each inventor's residence, mailing address, and citizenship are as stated below next to their name. I believe the Inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: DIRECTIONAL ANTENNA ARRAY

		(Title of the Inver	tion)	
the specification of which		(1145 51 515 1111 111		
is attached hereto		·		
OR				
was filed on (MM/DD/)	m	09/12/03	united States Applicatio	n Number or PCT International
Application Number 10	0/661,652	and was amended on (MM/DD/YYYY)	(if applicable).
I hereby state that I have revise amended by any amendment I acknowledge the duty to di	specifically refe	erred to above.	·	ation, including the claims, as In 37 CFR 1.56, including for
	ns, material inf	ormation which became	available between the fill	ng date of the prior application
I hereby claim foreign priority inventor's or plant breeder's r country other than the United	benefits under ights certificate States of Americas or plant breef	er 35 U.S.C. 119(a)-(d) o (s), or 385(a) of any PCI ica, listed below and have der's rights certificate(s), v is claimed.	r (f), or 365(b) of any for international application also identified below, by	reign application(s) for patent, which designated at least one checking the box, any foreign application having a filing date
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO
	·			

[Page 1 of 2]

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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Oct. 11. 2005 2:19PM INGRASSIA FISHER & LORENZ PC

PTO/SB/01 (09-04) Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Tradamark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number. **DECLARATION** — Utility or Design Patent Application ÓŔ Correspondence The address Direct all 29,906 associated with address below correspondence to: Customer Number: Name Address ZIP City State Fax Country Telephone I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful faise statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor Family Name or Surname Given Name (first and middle [if any]) KNADLE, JR. RICHARD T. Date Inventor's Signature Residence: City Country Citizenship U.S. Ú.S.A. DIX HILLS New York Mailing Address 316 VANDERBILT PKWY Country State Zip City **NEW YORK** 11748-5858 USA DIX HILLS A petition has been filed for this unsigned inventor NAME OF SECOND INVENTOR: Given Name (first and middle [if any]) Family Name or Surname DURON MARK WILLIAM Inventor's Signature 2 3-93 Residence Cit Citizenship Country **NEW YORK** HSA U.S. **EAST PATCHOGUE** Mailing Address 1408 LA BONNE VIE DRIVE Zip Country State 11772 USA **NEW YORK EAST PATCHOGUE**

[Page 2 of 2]

supptemental sheet(s) PTO/SB/02A or 02LR attached hereio.

Additional inventors or a legal representative are being named on the 1

PTO/SB/02A (09-04)

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PTO/SB/81 (11-04)

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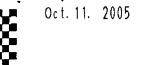
POWER OF ATTORNEY and **CORRESPONDENCE ADDRESS** INDICATION FORM

Application Number	10/661,652
Filing Date	September 12, 2003
First Named Inventor	Richard T. Knadle, Jr.
Title	DIRECTIONAL ANTENNA ARRAY
Art Unit	2821
Examiner Name	Dinh, Trinh Vo
Attorney Docket Number	022,0008 (1630)

I hereby revo	ke all previo	ous powers of attorney given	in the above-ider	ntified a	application.		
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AND							
X Practiti	oner(s) name	d below:					
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as my/our attor Trademark Offi	ney(s) or age ce connected	nt(s) to prosecute the application therewith.	n identified above, a	and to ti	ransact all dus	iness in the United	States Patent and
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X Applicar	nt/inventor						
Assigne Stateme	e of record of ant under 37 C	the entire interest. See 37 CFR CFR 3.73(b) is enclosed. (Form	R 3.71. <i>PTO/SB/96)</i> .				
		ALGNATURE of A	Applicant or Assign	nee of	Record		
Signature	nil	0 k 1)/4 NOW	~~		Date	9-22-	70
Name	Mark Wil	liam Duron			Telephone	631-738-5041	
Title and Compar		ENSIDER , SU	nhal Tec	600	0/03/05		
NOTE: Signatures one signature is req	of all the invent	tors or assignees of record of the ent	tire interest or their rep	presenta	tive(s) are requir	ed. Submit multiple t	forms if more than
Total of		are submitted.	-				

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022.0008 (1630) PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

:

Richard T. Knadle JR. et al.

Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

For: DIRECTIONAL ANTENNA ARRAY

1 HERESY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450

Date of Deposit Audrow Y. Pans Type or Print Name of Person Signing Certificate

STATEMENT OF MARK W. DURON

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450:

Sir:

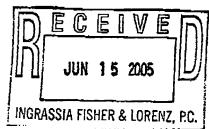
I, Mark William Duron, hereby state that I am a joint inventor of United States Patent Application Serial No.10/661,652, filed on September 12, 2003, having the following title of invention: "DIRECTIONAL ANTENNA ARRAY."

Furthermore, I, Mark William Duron, hereby state that the error in inventorship

accurred without deceptive intention.

Signature:

Mark William Duren



No. 3304 P. 182

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022.0008 (1630) PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Richard T. Knadle JR. et al.

Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

For: DIRECTIONAL ANTENNA ARRAY

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Date of Deposit

Andrew Y. Pang
Type or Print Name of Person Signing Certificate

*PD - //- e*2

STATEMENT OF MINH LUONG NGOC

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

I, Minh Luong Ngoc, hereby state that I am not a joint inventor of United States Patent Application Social No.10/661,652, filed on September 12, 2003, having the following title of invention: "DIRECTIONAL ANTENNA ARRAY."

Furthermore, I, Minh Luong Ngoc, hereby state that the error in inventorship occurred without deceptive intention.

Date: dug. 23/2005

Signature:

Minh Luong Ngoc

RECEIVED **CENTRAL FAX CENTER** 022.0008 (1630)

OCT 1 1 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Richard T. Knadle JR. et al.

Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

Examining Group: 2821

Filed: September 12, 2003

Examiner: Dinh, Trinh Vo

Robert P/ Pandorf

For: DIRECTIONAL ANTENNA ARRAY

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100 - 11-05 Date of Deposit Andrew Y. Panz Type or Print Name of Person Signing Cartificate SIGNATURE

STATEMENT OF ROBERT P. PANDORF

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

I, Robert P. Pandorf, hereby state that I am not a joint inventor of United States Patent Application Serial No. 10/661,652, filed on September 12, 2003, having the following title of invention: "DIRECTIONAL ANTENNA ARRAY."

Furthermore, I, Robert P. Pandorf, hereby state that the error in inventorship

occurred without deceptive intention.

Signature: